

### **REMARKS**

Claims 1-6 are pending in this application. In the Office Action, the Examiner rejected the claims as follows. Claims 1 and 2 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,615,026 B1 (Wong). Claims 3-5 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,184,833 B1 (Tran). Claim 6 was rejected under 35 U.S.C. §103(a) as being unpatentable over Tran in view of Wong.

Regarding the Examiner's rejection of independent Claim 1 under 35 U.S.C. §102(e), the Examiner states that Wong teaches all the elements of Claim 1. Claim 1 has been amended and is further distinguished. Wong teaches using dual arrays spaced apart by approximately  $\frac{1}{2}$  of the electromagnetic wavelength so that the radiation pattern can be controlled to propagate energy in a forward direction, away from a telephone user's head. In other words, the spacing between dual antenna arrays is used to control the propagation of energy in a forward direction. In contrast, Claim 1, as amended, includes the recitation of wherein a phase of a first current in a first antenna of the plurality of dipole antennas and a phase of second current in a second antenna of the plurality of

dipole antennas is controlled such that an electromagnetic field in the vicinity of a user's head is reduced, which is neither taught nor suggested by Wong. Accordingly, it is respectfully requested that the rejection under 35 U.S.C. §102(e) of Claim 1 be withdrawn.

Regarding the Examiner's rejection of independent Claim 3, Claim 3 has been amended and is further distinguished. Tran teaches a dual strip antenna mounted near an upper portion of the housing adjacent to a circuit board 1402. The dual strip antenna is mounted above (as opposed to on) the circuit board 1402 between ridges 1420 and 1422. This is more clearly illustrated with reference to FIG. 14B which shows the antenna 400 is separated from the circuit board 1402 by the ridge 1422 which is mounted between the antenna 400 and the circuit board 1402. Additionally, Tran teaches the dual strip antenna operates as an open-ended parallel plate waveguide with asymmetrical conductor terminations and has strips of differing sizes (i.e., L1 and L2 as illustrated in FIG. 4 and Table 1), which teaches away from a dipole antenna. Additionally, after reviewing Tran, reference to a dipole antenna could not be found. In contrast, amended Claim 3 includes the recitation of a printed circuit board having a first surface and an opposing second surface, the printed circuit board being included within the portable communication terminal, a speaker mounted upon the first surface of the printed circuit board, and a

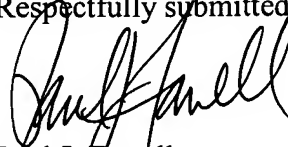
dipole antenna arranged on the second surface of the printed circuit board, which is neither taught nor suggested by Tran. Accordingly, as Tran does not teach each and every limitation of Claim 3, it is respectfully requested that the rejection under 35 U.S.C. §102(e) of Claim 3 be withdrawn.

Regarding the Examiner's rejection of independent Claim 6, Claim 6 has been amended and is further distinguished. Wong and Tran are discussed above. In contrast, Claim 6, as amended, includes similar limitations as contained in independent Claim 1. Accordingly, for at least the same reasons as stated above with respect to the rejection of Claim 1, it is respectfully requested that the rejection under 35 U.S.C. §103(a) of Claim 6 be withdrawn.

Independent Claims 1, 3, and 6 are believed to be in condition for allowance. Without conceding the patentability per se of dependent Claims 2 and 4-5, these are likewise believed to be allowable by virtue of their dependence on their respective amended independent claims. Accordingly, reconsideration and withdrawal of the rejections of dependent Claims 2 and 4-5 is respectfully requested.

Accordingly, all of the claims pending in the Application, namely, Claims 1-6, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", written over the typed name.

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